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		TSCA section	8ECP
Submitting Organization	MONSANTO CO		
Contractor	YOUNGER LABS		
Document Title	INITIAL SUBMISSION: TOXICOLOGICAL INVESTIGATION OF: CP 99435 WITH COVER LETTER DATED 081392		
Chemical Category	CP 99435		

8(e)

CAP

(COMPLIANCE AUDIT PROGRAM)

TSCA CONFIDENTIAL BUSINESS INFORMATION

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NOTE: Peter provides data entry in CBITS for the 8(e) CAP Documents.

8EHQ-0892-9245

"Contains NO CBI"

Monsanto

92 AUG 28 PM 3:03

ENVIRONMENT, SAFETY & HEALTH

Monsanto Company
800 N. Lindbergh Boulevard
St. Louis, Missouri 63167
Phone: (314) 694-1000

August 13, 1992



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Environmental Protection Agency
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88920007569

Attention: Section 8(e) Coordinator (CAP Agreement)

This submission is pursuant to the TSCA Section 8(e) Compliance Audit Program and CAP Agreement #8ECAP-0036.

The information included herein is characterized as follows:

Chemical Identity - RECYCLE PARAFFIN, HEAVY; CP 99435

Chemical CAS No. - 064771717

Information/Study Type - II,B,2,b/Acute Toxicity/Irritation Study

Information/Study Identification - Toxicity Studies on: Recycle Paraffin, Heavy
YO-77-266

Identification of Reportable Endpoint: SEVERELY IRRITATING TO SKIN IN A PRIMARY
IRRITATION STUDY

Previous TSCA 8(e) or PMN submissions, if any, for the reference chemical can be found in
Appendix A.

It should be noted that this summary is not all inclusive. Therefore, it may not highlight all adverse effects that EPA may judge to meet TSCA 8(e) reportability. This submission/report does not contain confidential business information.

Sincerely,

J. R. Condray
Director, Regulatory Management
(314) 694-8883

CAS No. 064771717

280

Y-77-266

YOUNGER LABORATORIES

INCORPORATED

123 CLIFF CAVE ROAD

SAINT LOUIS, MO., 63129

Toxicity Studies on: **RECYCLE PARAFFIN, HEAVY**To: **MONSANTO COMPANY**Lot Number **---****St. Louis, Missouri**Project No. **Y-77-266**Date: **December 16th, 1977****ACUTE ORAL TOXICITY**Species **Sprague-Dawley Albino Rats**

LD₅₀ > 10,000 Mg/Kg 95% Confidence Limits ----- Mg/Kg Slope
 CONDITIONS **Single Oral Dose - Undiluted**

	Dosage Mg/Kg	Avg. Initial Weight		Mortalities/Dosed			Time of Mortality
		Male	Female	Male	Female	Combined	
1	10,000	250	235	0/2	0/3	0/5	
2							
3							
4							
5							
6							

Signs of Intoxication **Reduced appetite and activity (one day).**Gross Autopsy
DecedentsSurvivors (14 Days) **Viscera appeared normal.****ACUTE DERMAL TOXICITY**Species **New Zealand Albino Rabbits**

LD₅₀ > 5,010 Mg/Kg 95% Confidence Limits ----- Mg/Kg Slope
 CONDITIONS **Applied Undiluted -- 24-Hours Exposure**

	Dosage Mg/Kg	Initial Weight		Mortalities/Dosed			Time of Mortality
		Male	Female	Male	Female	Combined	
1	3,160	1.8	---	0/1	---	0/1	
2	5,010	---	1.9	---	0/1	0/1	
3	7,940	2.0	2.7	1/1	1/1	2/2	Three days
4							
5							
6							

Signs of Intoxication **Reduced appetite and activity (four to seven days in survivors),
increasing weakness, collapse, and death.**Gross Autopsy
Decedents**Lung hyperemia, liver and kidney discoloration, enlarged gall bladder,
spleen darkened, and gastrointestinal inflammation.**Survivors (14 Days) **Viscera appeared normal.**

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The material in this report is to be used in development of the product and may be given to responsible sales contacts, but it is not to be used by them in advertising copy. The source of this material is not to be divulged until it appears in formal publications. No exceptions to the established rule may be made without the approval of the Department of Medicine and Environmental Health in St. Louis. Customers' inquiries regarding matters of toxicity are to be referred as before to the Monsanto Company Department of Medicine and Environmental Health in St. Louis for reply.

REVISED: 10/78

ACUTE EYE IRRITATION (Max. Score = 110. Cornea + Iris + Conjunctivae) Species **New Zealand Albino Rabbits**
 Irritation Score (24, 48, 72 Hour Avg.) **0.9** Classification **Non-Irritating *** Exposure **24-Hours**
 Dose and Conditions **0.1 Ml. Applied Undiluted / F.H.S.A.**
*** F.H.S.A.: NOT CLASSED as an Eye Irritant**

Hours	1			24			48			72			120			168		
STRUCTURE	Cornea			Cornea			Cornea			Cornea			Cornea			Cornea		
Animal Number	Cornea	Iris	Conjunctivae	Cornea	Iris	Conjunctivae	Cornea	Iris	Conjunctivae	Cornea	Iris	Conjunctivae	Cornea	Iris	Conjunctivae	Cornea	Iris	Conjunctivae
1	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	6	0	0	4	0	0	2	0	0	0	0	0	0	0	0	0
4	0	0	6	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	6	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	6	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
Mean Score	6.0			2.6			0.3			0.0			0.0			0.0		

Comments **Immediate: Discomfort was slight**
10 Min.: Slight erythema, copious discharge
1 Hr.: Slight erythema, moderate discharge
24 Hr.: Slight erythema in four instances, slight discharge in four instances
48 Hr.: Slight erythema in one instance
72 Hr.: All scored zero

PRIMARY SKIN IRRITATION (Max. Score = 8. Erythema + Edema) Species **New Zealand Albino Rabbits**
 Irritation Score (24, 72 Hour Avg.) **5.7** Classification **Severe *** Exposure **24-Hours**
 Dose and Conditions **0.5 Ml. Applied Undiluted / F.H.S.A.**
*** F.H.S.A.: CLASSED as a Primary Skin Irritant**

HOURS	4				24				48				72				168			
ANIMAL NUMBER	ERYTHEMA		EDEMA		ERYTHEMA		EDEMA		ERYTHEMA		EDEMA		ERYTHEMA		EDEMA		ERYTHEMA		EDEMA	
	I	A	I	A	I	A	I	A	I	A	I	A	I	A	I	A	I	A	I	A
1	2	2	1	1	3	3	3	3	4	4	3	3	4	4	2	2	0	0	0	0
2	2	2	1	1	4	4	4	4	4	4	3	3	4	4	3	3	0	0	0	0
3	2	2	1	1	3	3	4	4	4	4	3	3	4	4	1	2	0	0	0	0
4	2	2	1	1	3	3	2	2	3	3	1	1	2	2	0	0	0	0	0	0
5	2	2	1	1	3	3	3	3	3	3	3	3	2	2	2	2	0	0	0	0
6	2	2	1	1	4	4	3	3	4	4	3	3	4	4	2	2	0	0	0	0
Mean Score	3.0				6.5				6.3				5.0				0.0			

Comments **Severe defatting effect - skin sloughed off in ten to seventeen days.**
There was no injury in depth.

INHALATION TOXICITY

Species

Mortality Initial sample g Chamber temperature ... °C
 Concentration Mg/L Recovered sample g Chamber humidity %
 Exposure Hrs Condensed sample g Chamber volume L
 Sample temperature ... °C Vaporized sample g Air flow rate L/Min

Signs of Intoxication

Gross Autopsy

Decedents

Survivors (Days)

Test Method Reference **A.T.S. 8/73**

*F.H.S.A. = Federal Hazardous Substances Act

Submitted by

MELVIN D. BIRCH

YOUNGER LABORATORIES, INC.

CERTIFICATE OF AUTHENTICITY

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